

QS-PDS-2012 Revision: 02

LectroLyte⁷⁰⁰

Chemical Name Lithium Fluoride, Electrochemical Grade

Formula LiF

Appearance White powder

Application Electrolyte salt for lithium batteries

Product Specifications	LiF	98.5 wt% min
	H ₂ O*	0.50 wt% max
	Alkalinity (as LiOH)	0.5 wt% max
	Acidity (as HF)	200 wppm max
	Fe ₂ O ₃	500 wppm max
	SO ₄	1800 wppm max

* Value (as weight loss) determined by drying at 110°C for 2 hours.

Physical Properties	Formula weight	25.94
	True density @ 20°C	2.64 g/cm ³
	Melting point	848°C

Toxicity/Safety Data Odorless, white powder. This product may be irritating to the eyes, skin and mucous membranes.

COMPLETE INFORMATION ON TOXICITY AND SAFETY IS CONTAINED IN THE SAFETY DATA SHEET (SDS) AVAILABLE FOR THIS PRODUCT.

Handling/Storage/Disposal Avoid contact with eyes, skin or clothing. Use with adequate ventilation. Wear safety glasses or goggles and rubber gloves. Wash thoroughly after handling. Keep away from strong acids. Keep container closed.



Shipping Containers 110 lb. sealed in a 20-gallon fiber drum

Shipping Limitations Shipments of lithium fluoride are not classed as hazardous for transport. Shipments by post, parcel, air, water, rail, or road are acceptable within each carrier's weight limits and packaging requirements.

Lectro Battery Products Livent provides a comprehensive line of products for battery applications including additional Lectro Lyte Salts, Lectro Max Anode Materials, and lithium precursors for producing critical battery materials. Livent possesses extensive capabilities to develop and customize products and packaging to meet specific customer requirements.